

TAS 3459-14

T.H. 494

MISSISSIPPI RIVER TO
LOWER AFTON ROAD

S.P. 8285

JULY 1968

OFFICE OF
TRANSPORTATION SYSTEM PLANNING

MINNESOTA HIGHWAY DEPARTMENT



DEPARTMENT HIGHWAY

Office Memorandum

TO : Paul G. Velz
Road Design Engineer

DATE: July 29, 1968

FROM : Leon F. Bergmann, Acting Chief
Traffic Analysis Section

SUBJECT: T.H. 494, S.P. 8285
Mississippi River to Lower Afton Road
TAS 3459-14

The Traffic Analysis Section transmits this report in response to A. Hultine's April 30, 1968 request for 1990 ADT, DHV, and HCADT for the project location shown on the map on page 2. For each segment numbered on the map on page 3, the following data are tabulated on pages 4-6:

- a) Total ADT
- b) Vehicle Type Distribution
- c) Total Heavy Commercial ADT

Segment 1, with the highest 1990 ADT, has a total two way 1966 ADT of 17000.

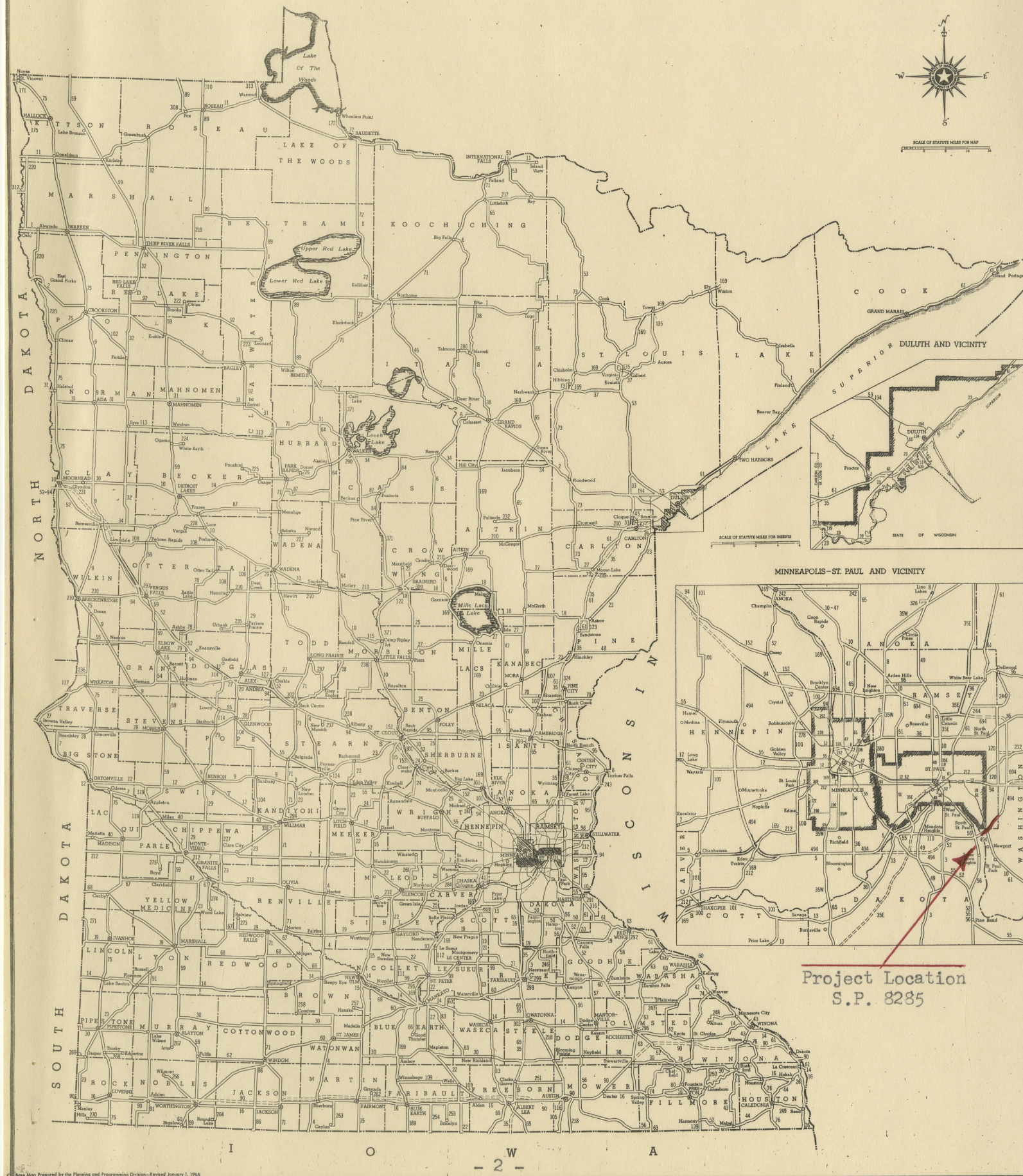
The basic data, method, and assumptions are on page 7.

PH

Leon F. Bergmann KCK

- 1 -

STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP



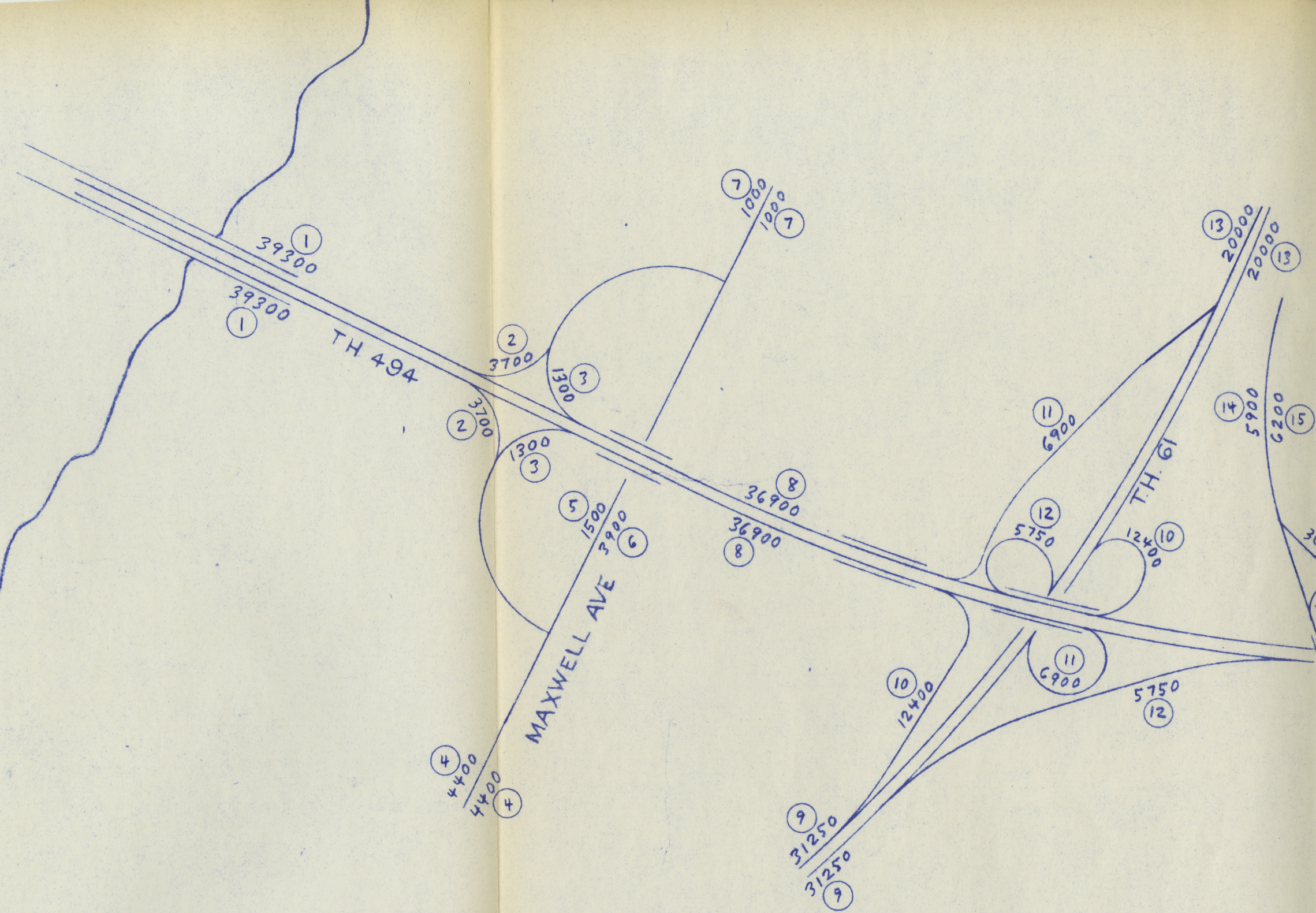
Project Location
S.P. 8285

- 2 -

Line 661

12136

MISSISSIPPI RIVER



Line 661

18136

(16)

(17)

(18)
1300

(19)
6900
BAILEY RD

(20)
5900
CSAH 20

(21)
24650

(22)
23350

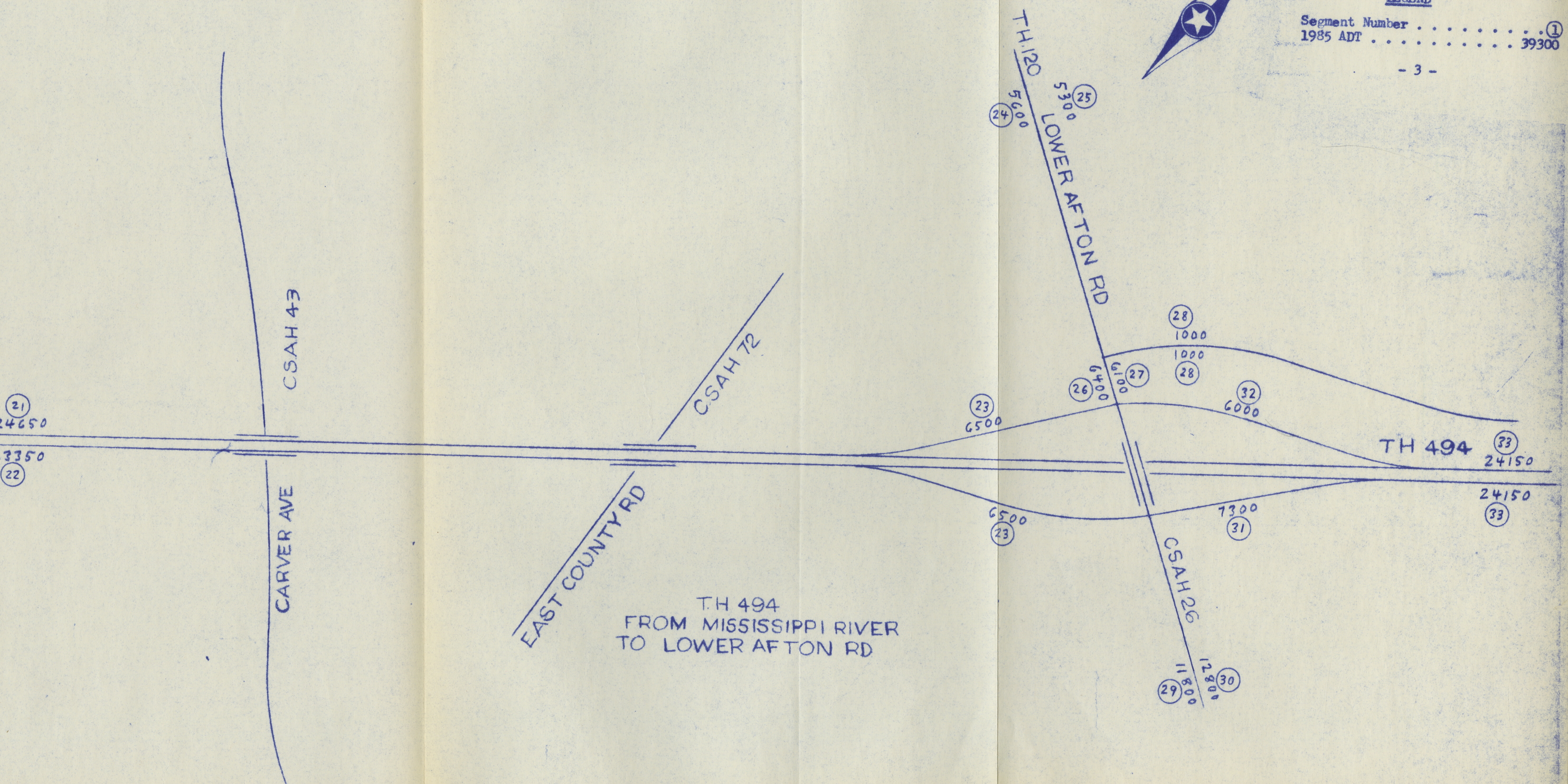
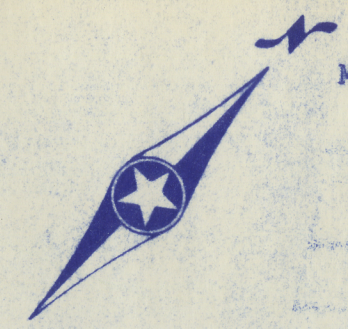
CSAH 43

CARVER AVE

EAST COUNTY

LEGEND

Segment Number ①
1985 ADT 39300



TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 3

FOR

T.H. 494 S.P. 8285 LENGTH - MILESCOUNTY Washington LOCATION Mississippi River toLower Afton Road

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	37106	3509	1268	4204	1460	3694	960	34365	29586	11724	6533
1	822	121	27	123	32	136	35	728	767	319	105
2	512	41	5	41	5	41	5	476	145	60	53
3	75	5	-	5	-	5	-	70	90	37	11
4	212	1	-	1	-	1	-	211	177	73	38
5	439	2	-	2	-	2	-	437	362	149	140
6	^{0.34} 134	21	-	24	3	21	-	^{0.31} 113	123	38	20
TOTAL ADT	39300	3700	1300	4400	1500	3900	1000	36900	31250	12400	6900
TOTAL H. COMM. ADT	2194	191	32	196	40	206	40	2035	1664	676	367
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 3

FOR

T.H. 494 S.P. 8285 LENGTH - MILESCOUNTY Washington LOCATION Mississippi River toLower Afton Road

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	5386	19009	5654	5942	283	890	1178	6544	5654	23172	21994
1	172	381	113	123	10	46	56	159	113	532	476
2	33	105	21	23	2	8	10	29	21	406	396
3	20	44	12	12	-	6	6	18	12	48	42
4	38	104	24	24	-	12	12	36	24	150	138
5	81	272	52	52	-	26	26	78	52	255	229
6	20	85	24	24	-	12	12	36	24	^{0.35} 87	^{0.32} 75
TOTAL ADT	5750	20000	5900	6200	300	1000	1300	6900	5900	24650	23350
TOTAL H. COMM. ADT	364	991	246	258	12	110	122	356	246	1478	1356
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES

4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 3 OF 3

FOR

T.H. 494 S.P. 8285 LENGTH - MILESCOUNTY Washington LOCATION Mississippi River toLower Afton Road

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH 33 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	23	24	25	26	27	28	29	30	31	32	33
0	6213	5371	5083	6213	5925	950	10836	11726	6611	5433	22392
1	131	129	119	95	85	42	433	479	309	253	654
2	31	41	39	35	33	6	93	101	58	48	423
3	12	3	3	3	3	-	46	52	36	30	66
4	25	6	6	6	6	-	91	103	70	58	183
5	49	6	6	6	6	-	181	207	143	117	323
6	39	44	44	42	42	2	120	132	73	61	109
TOTAL ADT	6500	5600	5300	6400	6100	1000	11800	12800	7300	6000	24150
TOTAL H. COMM. ADT	287	229	217	187	175	50	964	1074	689	567	1758
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

BASIC DATA, METHOD AND ASSUMPTIONS

The System 14 estimate of 1985 ADT and DHV for the project were transmitted in TAS 598-14 on June 27, 1968.

The 1990 volumes for this project may be obtained by expanding the enclosed volumes by 15 percent.

The total heavy commercial volumes are taken from the System 14 computer assignment of HCADT. These total HCADT volumes were distributed by vehicle type according to data obtained from classification counts which are representative of the project area.